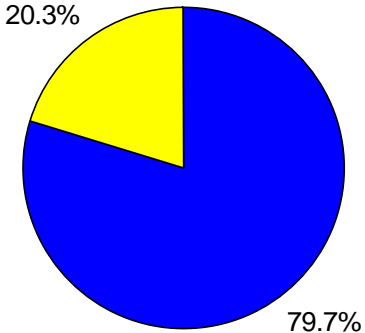


Fire and Rescue Department

92-01-Emergency Operations Response

Fund/Agency: 001/92	Fire and Rescue Department	
Personnel Services	\$72,055,168	CAPS Percentage of Agency Total  20.3% 79.7% <div>■ Emergency Operations Response ■ All Other Agency CAPS</div>
Operating Expenses	\$10,088,070	
Recovered Costs	\$0	
Capital Equipment	\$77,923	
Total CAPS Cost:	\$82,221,161	
Federal Revenue	\$0	
State Revenue	\$0	
User Fee Revenue	\$0	
Other Revenue	\$0	
Total Revenue:	\$0	
Net CAPS Cost:	\$82,221,161	
Positions/SYE involved in the delivery of this CAPS	1103/1103	

► CAPS Summary

The goal of Emergency Operations Response is to provide emergency and non-emergency response for citizens and visitors of Fairfax County, and mutual aid jurisdictions, in order to save lives and protect property. These services have features that meet citizen needs and protect the public.

Personnel respond annually to over 22,000 suppression incidents, over 56,000 emergency medical incidents and approximately 4,400 public service incidents. Since 1991, incidents have increased from 59,209 to 85,119 in FY 2001, an increase of 43.8 percent. This increase is expected to continue as the County's population continues to grow in both numbers and age. Each of the 35 stations is now equipped with an Advanced Life Support (ALS) engine, each staffed with a highly trained firefighter/paramedic. All personnel are certified as Firefighter II as defined by the National Fire Protection Association (NFPA) standards and as Emergency Medical Technicians. One-third of the force is certified at the Advanced Life Support (paramedic) level.

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The **Suppression Section** provides a highly efficient force prepared to respond to medical emergencies, fire, natural disaster, and other hazardous conditions for the purpose of saving lives, controlling damage, and protecting and saving property. They respond with appropriate personnel and equipment to all alarms within Fairfax County, the Town of Herndon, the Town of Vienna, and the Town of Clifton; and assist other jurisdictions according to mutual aid agreements. They respond to emergency medical incidents as part of a multi-tiered response system to reduce the occurrence of death and disability within Fairfax County.

The Department has established a five-minute response time as its goal for suppression incidents. This five-minute response goal is based on the standard time/temperature curve as developed by the National Institute of Standards. This time/temperature curve indicates that the temperature of fires increases drastically in the first ten minutes of a fire at which point, flashover is likely. Once flashover occurs in a room, the fire will quickly spread. The amount of damage sustained by fire and other emergencies is directly related to the timely response of fire department personnel and their ability to take the necessary actions to mitigate the incident.

The **Emergency Medical Services (EMS) Section** provides a highly efficient force prepared to respond to medical emergencies, fire, natural disasters, and other hazardous conditions for the purpose of saving lives. Appropriate personnel and equipment respond to all alarms within Fairfax County, the Town of Herndon, the Town of Vienna, and the Town of Clifton; and assist other jurisdictions according to mutual aid agreements. Emergency medical incidents are addressed through a multi-tiered response system to reduce the occurrence of death and disability within Fairfax County. To increase the chance of survival, it is imperative that a person in cardio-pulmonary arrest be supported within six minutes and life-saving measures initiated. Therefore, the Department has established a six-minute response time as its goal for ALS incidents.

Special Operations consists of specialty teams comprised of personnel who are specially trained and equipped to respond to incidents dealing with hazardous materials, technical rescue (ropes and confined spaces) and marine operations. By providing hazardous materials response, the Department must be in compliance with the Department of Labor Standards, Federal Register 29 Code of Federal Regulations (CFR), Parts 1920.120; Final Rule and the Commonwealth of Virginia OSHA Hazardous Waste Operations and Emergency Response. Technical rescue personnel are trained to a standard established by the Department that is based on the Department of Labor Standards, Federal Register 29 CFR, Part 1910; Final Rule and the Commonwealth of Virginia OSHA Confined Space Standards. Additionally, rope rescue standards are covered in NFPA Standards 1500 and 1983.

► **Method of Service Provision**

These services are provided directly by County employees and trained volunteers. Each type of emergency response apparatus is maintained at minimum staffing levels for the purpose of providing services 24-hours a day, 7 days a week. Minimum staffing levels are mandated by the Board of Supervisors.

Fire and Rescue Department

► Performance/Workload Related Data

Objectives:

- To increase the percentage of all suppression incidents responded to within 5-minutes on-scene from 56.7 to 57.0 percent and the percentage of all ALS incidents responded to within 6-minutes on-scene from 80.9 to 83.0 percent.
- To maintain fire loss at .02 percent or less of Total Taxable Property Valuation while striving to minimize fire deaths and injuries by keeping civilian fire deaths to less than one per 100,000 population and civilian fire injuries to less than ten per 100,000 population.

Title	FY 1998 Actual	FY 1999 Actual	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate
Percent of suppression incidents within 5 minute response time	55.4%	55.4%	56.7%	56.7%	57.0%
Percent of ALS incidents within 6 minute response time	80.8%	80.9%	80.9%	80.9%	83.0%
Fire loss (millions) ¹	\$13.6	\$16.5	\$29.3	\$14.5	\$14.5
Fire loss as percent of total property valuation	.02%	.02%	.03%	.02%	.02%
Civilian fire deaths	5	7	8	7	7
Civilian fire deaths per 100,000 population	0.54	0.74	0.83	0.67	0.67
Civilian fire injuries	88	67	87	81	81
Civilian fire injuries per 100,000 population	9.49	7.10	8.99	8.15	8.15

¹ Fire loss increase in FY 2000 due to a \$10 million transformer fire at the Virginia Power Substation and a \$5 million fire loss of a townhouse project under construction.